

=> fil reg

FILE 'REGISTRY' ENTERED AT 11:02:52 ON 11 SEP 2002  
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STRUCTURE FILE UPDATES: 9 SEP 2002 HIGHEST RN 448894-79-9  
DICTIONARY FILE UPDATES: 9 SEP 2002 HIGHEST RN 448894-79-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

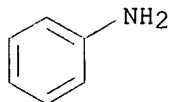
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ll ide can

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 62-53-3 REGISTRY  
CN Benzenamine (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN **Aniline (8CI)**  
OTHER NAMES:  
CN Aminobenzene  
CN Aminophen  
CN Anyvim  
CN Benzene, amino-  
CN Blue Oil  
CN C.I. 76000  
CN NCI 176889  
CN Phenylamine  
FS 3D CONCORD  
DR 37342-16-8, 146997-94-6  
MF C6 H7 N  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS,  
BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU,  
DETERM\*, DIPPR\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,  
ENCOMPPAT2, GMELIN\*, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA,  
MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA, PROMT,  
RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2,  
USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



Jan Delaval  
Reference Librarian  
Biotechnology & Chemical Library  
CM1 1E07 - 703-308-4498  
[jan.delaval@uspto.gov](mailto:jan.delaval@uspto.gov)

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

34657 REFERENCES IN FILE CA (1967 TO DATE)  
2514 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
34721 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

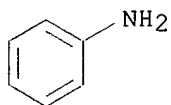
REFERENCE 1: 137:162978  
REFERENCE 2: 137:162473  
REFERENCE 3: 137:161221  
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REFERENCE 5: 137:158795  
REFERENCE 6: 137:158577  
REFERENCE 7: 137:158576  
REFERENCE 8: 137:156802  
REFERENCE 9: 137:156101  
REFERENCE 10: 137:156094

=> d l3 ide can tot

L3 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 247079-29-4 REGISTRY  
CN Benzenamine, nonamer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Aniline nonamer  
MF (C6 H7 N) 9  
CI PMS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3  
CMF C6 H7 N



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:299791

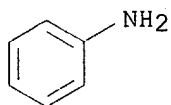
L3 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 247079-28-3 REGISTRY  
CN Benzenamine, heptamer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Aniline heptamer  
MF (C6 H7 N) 7

CI **PMS**  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C6 H7 N



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

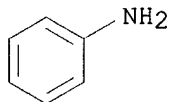
REFERENCE 1: 131:299791

L3 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 165260-61-7 REGISTRY  
CN Benzenamine, pentamer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Aniline pentamer  
MF (C6 H7 N) 5  
CI **PMS**  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C6 H7 N



6 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:377247

REFERENCE 2: 132:181144

REFERENCE 3: 132:108685

REFERENCE 4: 131:299791

REFERENCE 5: 128:23332

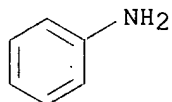
REFERENCE 6: 123:84558

L3 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 136260-71-4 REGISTRY  
CN Benzenamine, dimer (9CI) (CA INDEX NAME)  
OTHER NAMES:

CN Aniline dimer  
MF (C6 H7 N)2  
CI PMS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3  
CMF C6 H7 N



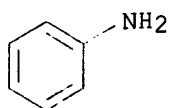
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1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
15 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:288460  
REFERENCE 2: 135:116136  
REFERENCE 3: 134:148190  
REFERENCE 4: 133:74364  
REFERENCE 5: 133:44070  
REFERENCE 6: 132:144344  
REFERENCE 7: 131:299791  
REFERENCE 8: 131:88434  
REFERENCE 9: 129:95916  
REFERENCE 10: 128:23332

L3 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 125597-22-0 REGISTRY  
CN Benzenamine, octamer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Aniline octamer  
CN Octaaniline  
MF (C6 H7 N)8  
CI PMS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3  
CMF C6 H7 N



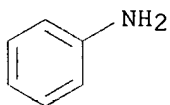
9 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:116136  
REFERENCE 2: 134:148190  
REFERENCE 3: 133:74588  
REFERENCE 4: 131:299791  
REFERENCE 5: 131:200474  
REFERENCE 6: 128:271339  
REFERENCE 7: 128:175633  
REFERENCE 8: 126:264425  
REFERENCE 9: 112:99655

L3 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 125597-21-9 REGISTRY  
CN Benzenamine, hexamer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Aniline hexamer  
MF (C6 H7 N) 6  
CI PMS  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3  
CMF C6 H7 N



8 REFERENCES IN FILE CA (1967 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:377247  
REFERENCE 2: 135:116136  
REFERENCE 3: 132:181144  
REFERENCE 4: 132:108685  
REFERENCE 5: 131:299791

REFERENCE 6: 121:110381

REFERENCE 7: 115:137203

REFERENCE 8: 112:99655

L3 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 125597-20-8 REGISTRY

CN Benzenamine, trimer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline trimer

CN Trianiline

MF (C6 H7 N)3

CI PMS

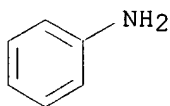
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C6 H7 N



16 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:358201

REFERENCE 2: 134:57251

REFERENCE 3: 134:41790

REFERENCE 4: 133:323014

REFERENCE 5: 133:310898

REFERENCE 6: 133:151137

REFERENCE 7: 131:299791

REFERENCE 8: 131:88434

REFERENCE 9: 129:232026

REFERENCE 10: 128:230938

L3 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 114464-18-5 REGISTRY

CN Benzenamine, tetramer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline tetramer

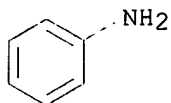
CN Tetraaniline

CN Tetraniline

MF (C6 H7 N)4

CI PMS

SR CA  
LC STN Files: CA, CAPLUS  
  
CM 1  
  
CRN 62-53-3  
CMF C6 H7 N



39 REFERENCES IN FILE CA (1967 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
40 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:94304  
REFERENCE 2: 135:116136  
REFERENCE 3: 134:148190  
REFERENCE 4: 133:351572  
REFERENCE 5: 133:341863  
REFERENCE 6: 133:310239  
REFERENCE 7: 133:164582  
REFERENCE 8: 133:31155  
REFERENCE 9: 132:322370  
REFERENCE 10: 132:294227

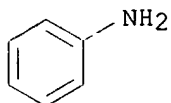
L3 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 25233-30-1 REGISTRY  
CN Benzenamine, homopolymer (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Aniline, polymers (8CI)  
OTHER NAMES:  
CN Aniline homopolymer  
CN Aniline polymer  
CN Anirido  
CN Corrp passiv 4900  
CN Corrp passiv 4901  
CN Ormecon  
CN PASS 01  
CN Polyaniline  
CN Polyemeraldine  
CN Polyphenyleneamine  
CN Skippers Corrp passiv  
CN Versicon  
CN XICP 0501  
DR 105961-05-5, 241824-47-5  
MF (C6 H7 N)x  
CI PMS, COM  
PCT Polyamine, Polyamine formed  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,

CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CIN, CSCHEM, EMBASE, MEDLINE,  
NIOSHTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

CM 1

CRN 62-53-3

CMF C6 H7 N



7586 REFERENCES IN FILE CA (1967 TO DATE)  
580 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7611 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:162473  
REFERENCE 2: 137:161801  
REFERENCE 3: 137:159249  
REFERENCE 4: 137:157197  
REFERENCE 5: 137:156323  
REFERENCE 6: 137:156187  
REFERENCE 7: 137:155873  
REFERENCE 8: 137:155503  
REFERENCE 9: 137:155403  
REFERENCE 10: 137:155327

=> d his

(FILE 'HOME' ENTERED AT 10:36:52 ON 11 SEP 2002)  
SET COST OFF

FILE 'REGISTRY' ENTERED AT 10:37:03 ON 11 SEP 2002  
E ANILINE/CN  
L1 1 S E3  
L2 3660 S 62-53-3/CRN  
L3 9 S L2 AND C6H7N AND PMS/CI AND 1/NC  
E (C6H6N)N/MF

FILE 'HCAPLUS' ENTERED AT 10:40:02 ON 11 SEP 2002  
L4 7637 S L3  
L5 34734 S L1  
L6 95 S ?OLIGOANILIN?  
L7 9597 S POLYANILINE  
L8 316 S POLY ANILINE  
L9 4 S ?OLIGO ANILIN?  
E CHIANG L/AU  
L10 86 S E3,E12  
L11 154 S E43-E45



L12 22 S L4-L9 AND L10,L11  
L13 26 S L11 AND ?ANILIN?  
L14 28 S L12,L13  
SEL RN

FILE 'REGISTRY' ENTERED AT 10:45:14 ON 11 SEP 2002

L15 151 S E1-E151  
L16 2 S L15 AND L1-L3  
L17 149 S L15 NOT L16  
L18 34 S L17 AND 46.150.18/RID AND N/ELS  
L19 17 S L18 NOT ?FULLER?/CNS  
L20 13 S L19 NOT CCS/CI  
L21 10 S L20 NOT TYROSINE  
L22 7 S L21 NOT (C4H8O OR C6H8N2)  
L23 9 S L16,L22  
L24 115 S L17 NOT L18

FILE 'HCAPLUS' ENTERED AT 10:49:31 ON 11 SEP 2002

E NEOPLASM/CT  
E E3+ALL  
L25 201175 S E3-E7,E2+NT  
E NEOPLASM INHIBITOR/CT  
E E4+ALL  
L26 76958 S E1  
E E2+ALL  
L27 92034 S E3+NT  
E CHEMOTHERPAY/CT  
E CHEMOTHERAPY/CT  
E E3+ALL  
L28 10271 S E4,E3+NT  
L29 100761 S E2+NT  
E CYTOPROTECT/CT  
E E5+ALL  
L30 10848 S E3+NT  
E CYTOTOX/CT  
E E6+AKK  
E E3+ALL  
L31 6578 S E2+NT  
L32 537 S L4-L9 AND L25-L31  
L33 2 S L32 AND L4  
L34 3 S L32 AND L6-L9  
L35 3 S L33,L34  
L36 1 S L35 AND L10,L11  
L37 31 S L3(L) (THU OR BAC OR BUU)/RL  
L38 41 S L3 AND (1 OR 15 OR 63)/SC,SX  
L39 1032 S L4-L9 AND (?NEOPLAS? OR ?TUMOR? OR ?TUMOUR? OR ?MALIGNAN? OR  
L40 1 S L39 AND L37,L38  
L41 16 S L39 AND L4,L6-L9  
L42 1 S L41 AND L35  
L43 1 S L36,L40,L42  
L44 15 S L41 NOT L43  
SEL RN

FILE 'REGISTRY' ENTERED AT 10:59:24 ON 11 SEP 2002

L45 51 S E1-E51  
L46 9 S L45 AND 46.150.18/RID AND N/ELS

FILE 'HCAPLUS' ENTERED AT 11:00:53 ON 11 SEP 2002

L47 10 S L46 AND L44  
L48 1 S L43 AND L4-L14,L25-L44,L47  
SEL RN

FILE 'REGISTRY' ENTERED AT 11:02:05 ON 11 SEP 2002

L49 52 S E52-E103  
 L50 17 S L49 AND 46.150.18/RID AND N/ELS  
 L51 1 S L50 AND L1,L3  
 L52 16 S L50 NOT L51

FILE 'REGISTRY' ENTERED AT 11:02:52 ON 11 SEP 2002

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 11:03:12 ON 11 SEP 2002  
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FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11  
 FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d 148 all hitstr

L48 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS  
 AN 2001:676265 HCAPLUS  
 DN 135:242132  
 TI Preparation of E-isomeric fullerene derivatives  
 IN **Chiang, Long Y.**  
 PA Taiwan  
 SO Eur. Pat. Appl., 33 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 IC ICM C07D209-58  
 ICS A61K031-403  
 CC 27-10 (Heterocyclic Compounds (One Hetero Atom))  
 Section cross-reference(s): 1, 35

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1132380	A1	20010912	EP 2001-104557	20010305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1317484	A	20011017	CN 2001-109401	20010306
JP 2001302630	A2	20011031	JP 2001-61660	20010306
PRAI US 2000-521025	A	20000306		
OS MARPAT 135:242132				
AB	The prepn. of cis-isomeric fulleropyrrolidines such as 1-methyl-3-(hydroxyphenylmethyl)fulleropyrrolidine-1,3-dicarboxylic acid			

and related compds. and oligomers are disclosed. The compds. are useful as **antitumor** agents.

ST fulleropyrrolidine prepn **antitumor** agent; fullerene pyrrolo prepn **antitumor** agent

IT Radical scavengers

IT **Antitumor agents**  
(E-isomeric fullerene derivs.)

IT Antioxidants  
(pharmaceutical)

IT **Photodynamic therapy**  
(prepn. of cis-isomeric fulleropyrrolidine derivs. as **antitumor** agents)

IT **Polyanilines**  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of cis-isomeric fulleropyrrolidine derivs. as **antitumor** agents)

IT Fullerenes  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(pyrrolo derivs.; prepn. of cis-isomeric fulleropyrrolidine derivs. as **antitumor** agents)

IT 14376-52-4P 81380-47-4P 186413-21-8P 359819-60-6P 359819-62-8P  
359819-63-9P 359819-64-0P 359819-65-1P 359819-67-3P 359819-69-5P  
359819-72-0P 359819-73-1P 359819-78-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(intermediate product in prepn. of cis-isomeric fulleropyrrolidine derivs.)

IT 359819-56-0P  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(ologomeric; prepn. of cis-isomeric fulleropyrrolidine derivs.)

IT 359819-52-6P 359819-53-7P 359819-55-9P 359867-52-0P 359867-53-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(prepn. of cis-isomeric fulleropyrrolidine derivs.)

IT 359819-54-8P 359819-57-1P 359819-58-2DP, reaction product with **hexadecaaniline** and dicylohexylcarbodiimide 359819-76-4P  
359819-80-0P 359819-82-2P 359867-50-8P 359867-51-9P 359867-55-3P  
359867-56-4P  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of cis-isomeric fulleropyrrolidine derivs.)

IT 359867-49-5P  
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(prepn. of cis-isomeric fulleropyrrolidine derivs. as **antitumor** agents)

IT 359867-54-2P  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of cis-isomeric fulleropyrrolidine derivs. as **antitumor** agents)

IT 359819-59-3P  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn., radical scavenging potency and **antitumor** activity of cis-isomeric fulleropyrrolidine derivs.)

IT 359819-58-2P  
RL: BAC (Biological activity or effector, except adverse); BPR (Biological

process); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(prepn., reactions with **hexadecaniline** or glycylglycine, radical scavenging potency and **antitumor** activity)

IT 52-90-4, L-Cysteine, reactions 56-41-7, L-Alanine, reactions 56-45-1, L-Serine, reactions 56-86-0, L-Glutamic acid, reactions 59-92-7, 3-(3,4-Dihydroxyphenyl)-L-alanine, reactions 61-90-5, L-Leucine, reactions 90-02-8, Salicylaldehyde, reactions 108-30-5, Succinic anhydride, reactions 127-17-3, Pyruvic acid, reactions 156-39-8, p-Hydroxyphenylpyruvic acid 302-72-7, Alanine 328-50-7, 2-Ketoglutaric acid 538-75-0, 1,3-Dicyclohexylcarbodiimide 556-03-6, Tyrosine 556-50-3, Glycylglycine 589-17-3, p-Bromobenzyl chloride 2144-08-3, 2,3,4-Trihydroxybenzaldehyde 5650-40-8, 2-Hydroxypropiophenone 99685-96-8, [5,6]Fullerene-C60-Ih

RL: RCT (Reactant); RACT (Reactant or reagent)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

IT 25233-30-1DP, **Polyaniline**, reaction product with fulleropyrrolidinedicarboxylic acid and dicyclohexylcarbodiimide

RL: SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL

(Biological study); PREP (Preparation); USES (Uses)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; PATENT ABSTRACTS OF JAPAN 1995, V1995(03)
- (2) Anon; PATENT ABSTRACTS OF JAPAN 2001, V2000(13)
- (3) Chiang, L; EP 0770577 A 1997 HCAPLUS
- (4) Fuji Photo Film Co Ltd; JP 2000290278 A 2000 HCAPLUS
- (5) Gan, L; JOURNAL OF ORGANIC CHEMISTRY 1999, V61(6), P1954
- (6) Hoechst Ag; DE 4240042 A 1994 HCAPLUS
- (7) Huang, Y; JOURNAL OF COLLOID AND INTERFACE SCIENCE 1998, V204, P277 HCAPLUS
- (8) Mashino, T; ELECTROCHEMICAL SOCIETY PROCEEDINGS 2000, V2000(11), P244
- (9) Mitsubishi Kasei Corp; JP 06336458 A 1994 HCAPLUS
- (10) Shi, Y; THIN SOLID FILMS 1999, V352(1,2), P218 HCAPLUS
- (11) Shi-Hui, W; HUAXUE XUEBAO 1999, V57(7), P812
- (12) Sijbesma, R; US 5811460 A 1998 HCAPLUS
- (13) Tabata, Y; PURE APPL CHEM 1999, V71(11), P2047 HCAPLUS
- (14) Wu, S; SYNTHETIC COMMUNICATIONS 1997, V27(13), P2289 HCAPLUS

IT 25233-30-1DP, **Polyaniline**, reaction product with fulleropyrrolidinedicarboxylic acid and dicyclohexylcarbodiimide

RL: SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL

(Biological study); PREP (Preparation); USES (Uses)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

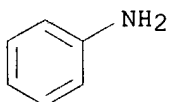
RN 25233-30-1 HCAPLUS

CN Benzenamine, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 62-53-3

CMF C6 H7 N



=> fil reg

FILE 'REGISTRY' ENTERED AT 13:00:09 ON 11 SEP 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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STRUCTURE FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5  
DICTIONARY FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

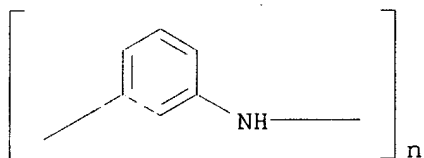
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can tot 16

L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS  
RN 63519-68-6 REGISTRY  
CN Poly(imino-1,3-phenylene) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,3-benzenediamine-1,3-dibromobenzene copolymer, SRU  
MF (C6 H5 N)n  
CI PMS  
PCT Polyamine  
LC STN Files: CA, CAPLUS

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*



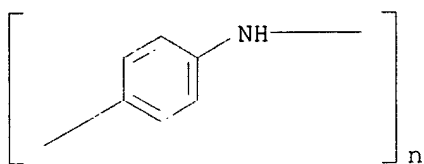
18 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
18 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:185435  
REFERENCE 2: 135:109499  
REFERENCE 3: 134:71951  
REFERENCE 4: 130:252746  
REFERENCE 5: 129:260975  
REFERENCE 6: 128:257764  
REFERENCE 7: 127:359189  
REFERENCE 8: 127:191278  
REFERENCE 9: 126:75417

REFERENCE 10: 123:145163

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS  
RN 32036-19-4 REGISTRY  
CN Poly(imino-1,4-phenylene) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Hydroquinone-p-phenylenediamine polymer, SRU  
MF (C6 H5 N)n  
CI PMS  
PCT Polyamine  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*



27 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
27 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:408315  
REFERENCE 2: 136:185435  
REFERENCE 3: 130:267912  
REFERENCE 4: 126:264787  
REFERENCE 5: 122:147527  
REFERENCE 6: 115:115197  
REFERENCE 7: 113:51789  
REFERENCE 8: 112:217827  
REFERENCE 9: 112:217810  
REFERENCE 10: 111:66540

=> d his 16-

(FILE 'REGISTRY' ENTERED AT 12:52:06 ON 11 SEP 2002)  
L6 2 S L5 NOT (CL/ELS OR AMINO)

FILE 'HCAPLUS' ENTERED AT 12:58:10 ON 11 SEP 2002  
L7 44 S L6  
L8 0 S L7 AND (1 OR 15 OR 63)/SC,SX  
L9 0 S L7 AND (THU OR BIOL OR BUU OR DGN)/RL

FILE 'REGISTRY' ENTERED AT 13:00:09 ON 11 SEP 2002

=> fil cancer  
FILE 'CANCERLIT' ENTERED AT 13:24:01 ON 11 SEP 2002

FILE COVERS 1963 TO 19 Aug 2002 (20020819/ED)

On July 28, 2002, CANCERLIT was reloaded. See HELP RLOAD for details.

CANCERLIT thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all 131

L31 ANSWER 1 OF 1 CANCERLIT  
AN 85003491 CANCERLIT  
DN 85003491 PubMed ID: 6479113  
TI On the carcinogenicity of aniline.  
AU Wilmer J L  
SO ENVIRONMENTAL MUTAGENESIS, (1984) 6 (5) 629-32.  
Journal code: 7909737. ISSN: 0192-2521.  
CY United States  
DT Letter  
LA English  
FS MEDLINE; Priority Journals  
OS MEDLINE 85003491  
EM 198411  
ED Entered STN: 19941107  
Last Updated on STN: 19941107  
CT Check Tags: Animal  
\*Aniline Compounds: TO, toxicity  
\*Carcinogens  
Rats  
Rats, Inbred F344  
Sarcoma, Experimental: CI, chemically induced  
\*Sarcoma, Experimental: PA, pathology  
RN 62-53-3 (aniline)  
CN 0 (Aniline Compounds); 0 (Carcinogens)

=> fil medline

FILE 'MEDLINE' ENTERED AT 13:27:34 ON 11 SEP 2002

FILE LAST UPDATED: 10 SEP 2002 (20020910/UP). FILE COVERS 1958 TO DATE.

On June 9, 2002, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> d all

L40 ANSWER 1 OF 1 MEDLINE  
AN 85003491 MEDLINE  
DN 85003491 PubMed ID: 6479113  
TI On the carcinogenicity of aniline.  
AU Wilmer J L  
SO ENVIRONMENTAL MUTAGENESIS, (1984) 6 (5) 629-32.  
Journal code: 7909737. ISSN: 0192-2521.  
CY United States  
DT Letter

LA English  
FS Priority Journals  
EM 198411  
ED Entered STN: 19900320  
Last Updated on STN: 19900320  
Entered Medline: 19841116  
CT Check Tags: Animal  
\*Aniline Compounds: TO, toxicity  
\*Carcinogens  
Rats  
Rats, Inbred F344  
Sarcoma, Experimental: CI, chemically induced  
\*Sarcoma, Experimental: PA, pathology  
RN 62-53-3 (aniline)  
CN 0 (Aniline Compounds); 0 (Carcinogens)

=> fil embase

FILE 'EMBASE' ENTERED AT 13:46:54 ON 11 SEP 2002  
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FILE COVERS 1974 TO 5 Sep 2002 (20020905/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> d all tot

L71 ANSWER 1 OF 2 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 94228892 EMBASE  
DN 1994228892  
TI Potential radioprotective agents. 2. Substituted **anilines**.  
AU Blickenstaff R.T.; Brandstadter S.M.; Reddy S.; Witt R.; Lipkowitz K.B.  
CS Department of Chemistry, Indiana University, Purdue University  
Indianapolis, Indianapolis, IN 46205, United States  
SO Journal of Pharmaceutical Sciences, (1994) 83/2 (218-221).  
ISSN: 0022-3549 CODEN: JPMSAE  
CY United States  
DT Journal; Article  
FS 014 Radiology  
030 Pharmacology  
037 Drug Literature Index  
LA English  
SL English  
AB A series of substituted **anilines** was examined for  
radioprotective activity by injecting them ip into mice subjected to a  
near-lethal dose of 6 mV photons. Electronegative groups such as Br, NO2,  
CN, and acyl in the meta or para position gave rise to highly active  
compounds (80-100% protection), while p-amino, methyl, amide, hydroxy, and  
fluoro groups decrease activity. No general correlations could be  
developed, however, between biological activity and a wide variety of  
calculated molecular parameters. The highest activity was found with  
p-aminobenzophenone (1), p-aminopropiophenone (2), its ethylene ketal (3),  
2-amino-5-chloropyridine (35), and 5-amino-2-chloropyridine (36).  
CT Medical Descriptors:  
\*radiation protection  
animal experiment  
animal model  
article  
carcinogenicity  
controlled study



dna repair  
drug structure  
genotoxicity  
hypoxemia  
lethal dose  
male  
mouse  
nonhuman  
radiation injury  
structure activity relation

**X irradiation**

Drug Descriptors:

\*aniline derivative: AN, drug analysis

\*aniline derivative: PD, pharmacology

\*radioprotective agent: AN, drug analysis

\*radioprotective agent: PD, pharmacology

benzophenone: AN, drug analysis

benzophenone: PD, pharmacology

RN (benzophenone) 119-61-9

L71 ANSWER 2 OF 2 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 86008757 EMBASE

DN 1986008757

TI Synthesis of the new Platinum (II) and Platinum (IV) complexes with  
Aniline derivatives, as potential antitumour drugs.

AU Craciunescu D.; Doadrio Lopez A.

CS Department of Inorganic and Analytical Chemistry, Faculty of Pharmacy,  
Madrid 28003, Spain

SO Anales de la Real Academia de Farmacia, (1985) 51/3 (443-456).

CODEN: ARAFAY

CY Spain

DT Journal

FS 037 Drug Literature Index

LA English

SL Spanish

CT Medical Descriptors:

\*cancer chemotherapy

\*drug comparison

\*drug identification

\*drug screening

\*drug synthesis

\*infrared spectrometry

\*leukemia l 1210

\*leukemia p 388

\*platinum aniline dichloride derivative

\*platinum dihydroxy aniline dichloride derivative

drug analysis

therapy

intraperitoneal drug administration

animal experiment

animal model

nonhuman

mouse

blood and hemopoietic system

Drug Descriptors:

new drug

=> fil wpix

FILE 'WPIX' ENTERED AT 14:10:03 ON 11 SEP 2002

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FILE LAST UPDATED: 10 SEP 2002

<20020910/UP>

MOST RECENT DERWENT UPDATE 200258 <200258/DW>  
 DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> SLART (Simultaneous Left and Right Truncation) is now  
 available in the /ABEX field. An additional search field  
 /BIX is also provided which comprises both /BI and /ABEX <<<

>>> The BATCH option for structure searches has been  
 enabled in WPINDEX/WPIDS and WPIX <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,  
 SEE <http://www.derwent.com/dwpi/updates/dwpicov/index.html> <<<

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 PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
 GUIDES, PLEASE VISIT:  
[http://www.derwent.com/userguides/dwpi\\_guide.html](http://www.derwent.com/userguides/dwpi_guide.html) <<<

=> d all abeq tech abex l91

L91 ANSWER 1 OF 1 WPIX (C) 2002 THOMSON DERWENT

AN 1986-194719 [30] WPIX

DNC C1986-084041

TI Anti-tumour drug - comprising **aniline** derivs. as active  
 ingredient.

DC B05

PA (KURE) KUREHA CHEM IND CO LTD

CYC 1

PI JP 61129120 A 19860617 (198630)\* 3p

JP 03044049 B 19910704 (199131)

ADT JP 61129120 A JP 1984-251287 19841128; JP 03044049 B JP 1984-251287  
 19841128

PRAI JP 1984-251287 19841128

IC A61K031-16; C07C103-50

AB JP 61129120 A UPAB: 19930922

New antitumour drug comprising **aniline** deriv. features contg.

**aniline** deriv. expressed by following general formula (I), where

R1 is H, C1-C4 alkyl gp., R2 is H, acetyl and propionyl, R3 is  
 CH2CON(CH3)2.

Type of drug of this invention to be medicated includes powder, fine  
 particle, granule, tablet, buffer tablet, sugar coated tablet, capsule,  
 syrup, pill, suspension, soln., emulsion, etc. and as parenteral soln.,  
 ampoule, etc., and ointment, suppository. Example of prepn. (injection) is  
 1g of material is dissolved in physiological sodium chloride soln. to  
 become 10 ml..

USE/ADVANTAGE - Antitumour drug, particularly with antitumour drug  
 containing material expressed by the general formula (1), and effective on  
 animal or human tumour, decrease of the number of tumour cells and  
 inhibition of tumour growth.

0/0

FS CPI

FA AB

MC CPI: B10-B02A; B10-D03; B12-G07

=> d his

(FILE 'HOME' ENTERED AT 12:50:07 ON 11 SEP 2002)

DEL HIS

FILE 'REGISTRY' ENTERED AT 12:52:06 ON 11 SEP 2002  
 ACT DEW840322/A

L1 1 SEA FILE=REGISTRY ABB=ON PLU=ON ANILINE/CN  
 ACT DEW840322A/A

L2 ( 3660)SEA FILE=REGISTRY ABB=ON PLU=ON 62-53-3/CRN  
 L3 9 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C6H7N AND PMS/CI AND 1

L4 56 S 46.150.18/RID AND 1/N AND 1/NR AND PMS/CI AND 6/C AND 1/NC NO  
 L5 4 S C6H5N AND L4  
 L6 2 S L5 NOT (CL/ELS OR AMINO)

FILE 'HCAPLUS' ENTERED AT 12:58:10 ON 11 SEP 2002

L7 44 S L6  
 L8 0 S L7 AND (1 OR 15 OR 63)/SC, SX  
 L9 0 S L7 AND (THU OR BIOL OR BUU OR DGN)/RL

FILE 'REGISTRY' ENTERED AT 13:00:09 ON 11 SEP 2002

FILE 'HCAPLUS' ENTERED AT 13:00:59 ON 11 SEP 2002

E POLYANIL/CT  
 E E9 ALL  
 E POLYANIL/CT  
 E E9+ALL

L10 8471 S E5, E4+NT  
 L11 30 S L10 (L) THU/RL  
 L12 57 S L10 (L) (BIOL OR BUU)/RL  
 L13 3 S L10 (L) (BAC OR COS OR DGN OR DMA OR PAC OR PKT)/RL  
 L14 57 S L10 AND (PHARMACEUT? OR PHARMACOL? OR IMMUNO?)/SC, SX  
 L15 83 S L11-L14

FILE 'CANCERLIT' ENTERED AT 13:09:46 ON 11 SEP 2002

L16 76 S L1 OR L3 OR L6  
 L17 11 S ?OLIGOANILIN? OR ?OLIGO ANILIN? OR POLYANILINE OR POLY ANILIN  
 E ANILINE COMOUNDS/CT  
 E ANILINE COMPOUNDS/CT  
 E E3+ALL

L18 549 S E4/BI, CN  
 L19 1221 S E4+NT  
 L20 558 S L16-L18  
 L21 183 S L20 AND C4./CT  
 E TUMOR CELL/CT

L22 153052 S E10+NT  
 E E7+ALL

L23 109 S L22 AND L20  
 L24 242 S L21, L23  
 L25 8 S L24 AND L18 (L) TU/CT  
 E CHEMOTHERAP/CT  
 E E11+ALL

L26 1 S E7+NT AND L24  
 L27 5 S (RE OR RA)/CT AND L24  
 E RADIATION/CT  
 E E3 ALL  
 E RADIATION/CT  
 E E3+ALL

L28 6 S L24 AND E4+NT  
 E SITE/CT  
 E E26+ALL

L29 223 S L24 NOT L17, L25-L28

L30 44 S L29 NOT AB/FA  
SEL DN AN 31  
L31 1 S L30 AND E1-E3  
L32 179 S L29 NOT L30  
L33 165 S L32/ENG  
L34 111 S L32 AND L18/MAJ  
L35 104 S L33 AND L34

FILE 'CANCERLIT' ENTERED AT 13:24:01 ON 11 SEP 2002

FILE 'MEDLINE' ENTERED AT 13:24:15 ON 11 SEP 2002

L36 661 S L16 OR L17  
L37 25 S L36 AND C4./CT  
L38 6 S L36 AND TUMOR CELLS, CULTURED+NT/CT  
L39 31 S L37,L38  
SEL DN AN 25  
L40 1 S L39 AND E4-E6

FILE 'MEDLINE' ENTERED AT 13:27:34 ON 11 SEP 2002

L41 6656 S ANILINE COMPOUNDS/CT,CN  
L42 9733 S ANILINE  
L43 9751 S L36,L41,L42  
E CHIANG L/AU  
L44 40 S E3,E10,E14  
L45 1 S L43 AND L44  
L46 0 S L44 AND C4./CT

FILE 'BIOSIS' ENTERED AT 13:28:53 ON 11 SEP 2002

L47 2220 S L16 OR L17  
L48 7014 S L42  
L49 7142 S L47,L48  
L50 47 S 245?/CC AND L49  
E CHIANG L/AU  
L51 55 S E3,E10,E29,E30  
L52 1 S L51 AND L49

FILE 'EMBASE' ENTERED AT 13:31:12 ON 11 SEP 2002

L53 6584 S L43  
E ANILINE/CT  
E E3+ALL  
L54 2221 S E1+NT  
L55 182 S AMINOBENZENE OR AMINO BENZENE OR AMINOPHEN OR AMINO PHEN OR A  
L56 6708 S L53-L55  
E CHIANG L/AU  
L57 1 S E3,E12 AND L56  
L58 392 S C6.610./CT AND L56  
L59 65 S E2.230.150./CT AND L56  
L60 21 S E2.745./CT AND L56  
L61 36 S L58 AND L59,L60  
SEL DN AN 13  
L62 1 S L61 AND E1-E2  
L63 46 S L59,L60 NOT L61  
SEL DN AN L63 25  
L64 1 S E3-E4 AND L63  
L65 2 S L62,L64  
L66 54 S L56 AND "TUMOR CELLS AND CELL LINES"+NT/CT  
L67 50 S L66 NOT L59-L65  
L68 63 S L56 AND E2.135./CT  
L69 0 S L56 AND E4.80.135./CT  
L70 6 S L68 NOT L59-L67  
L71 2 S L65 AND L53-L70

FILE 'EMBASE' ENTERED AT 13:46:54 ON 11 SEP 2002

FILE 'WPIX' ENTERED AT 13:47:03 ON 11 SEP 2002

L72 3533 S L17  
E ANILINE/DCN  
E E3\_ALL  
E ANILINE/DCN  
E E3+ALL

L73 2174 S E2 OR 0232/DRN  
E ANILINE/DCN  
E POLYANILINE/DCN

L74 5540 S L72,L73

L75 14677 S ANILINE

L76 2866 S L55

L77 19005 S L74-L76

L78 304 S L77 AND (P631 OR P633)/M0,M1,M2,M3,M4,M5,M6

L79 154 S L77 AND (B14-H01 OR B14-H01B OR B14-H03 OR B14-H04)/MC

L80 5 S L77 AND (C14-H01 OR C14-H01B OR C14-H03 OR C14-H04)/MC

L81 139 S L77 AND (B12-G07 OR C12-G07)/MC

L82 53 S L77 AND (A61P035-00 OR A61P035-04)/IC,ICM,ICS,ICA,ICI

L83 328 S L78-L82  
E CHIANG L/AU

L84 58 S E3,E7

L85 0 S L84 AND L77

L86 4 S L83 AND L72

L87 324 S L83 NOT L86

L88 256 S L75 AND L87

L89 28 S L73 AND L87

L90 296 S L87,L88 NOT L89  
SEL DN AN 216

L91 1 S L90 AND E1-E2

FILE 'WPIX' ENTERED AT 14:10:03 ON 11 SEP 2002